

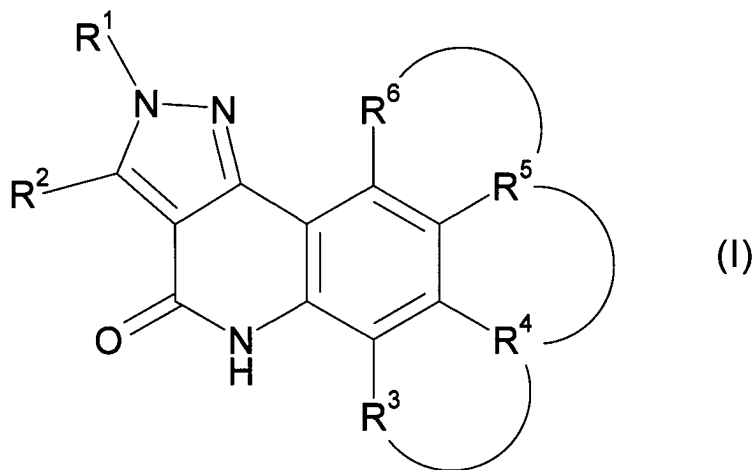
### **Amendment to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

### **Listing of Claims:**

1-5. (Canceled)

6. (Currently Amended) ~~The compound according to Claim 1,~~ A compound represented by the formula:



wherein R<sup>1</sup> is:

- (1) a C<sub>6-12</sub> aryl group which may be substituted with 1 to 3 substituents selected from:
  - (a) a C<sub>1-6</sub> alkyl group which may be substituted with 1 to 3 substituents selected from
    - (i) a halogen atom,
    - (ii) a hydroxy group, and
    - (iii) a 5- to 8-membered heterocyclic group which may be substituted with a substituent selected from a hydroxy group and a C<sub>1-6</sub> alkyl group, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;
  - (b) a C<sub>1-6</sub> alkoxy group which may be substituted with a substituent selected from
    - (i) a hydroxy group,
    - (ii) a C<sub>1-6</sub> alkoxy group,

(iii) a carboxy group,  
(iv) a C<sub>1-6</sub> alkoxy-carbonyl group,  
(v) a carbamoyl group,  
(vi) a carbamoyl group which is mono- or di-substituted with a C<sub>1-6</sub> alkyl group which may be substituted with a substituent selected from a hydroxy group and a C<sub>1-6</sub> alkylsulfonyl group,

(vii) a cyano group, and  
(viii) a 5- to 8-membered heterocyclic group having 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;

(c) a halogen atom;  
(d) a hydroxy group;  
(e) an amino group;  
(f) a nitro group;  
(g) a carboxy group;  
(h) a C<sub>1-6</sub> alkoxy-carbonyl group;  
(i) a C<sub>1-6</sub> alkyl-carbonyloxy group;  
(j) a C<sub>6-12</sub> aryloxy group which may be substituted with a substituent selected from a halogen atom, a hydroxy group and a C<sub>1-6</sub> alkoxy group;

(k) a C<sub>6-14</sub> aralkyloxy group;  
(l) a C<sub>3-7</sub> cycloalkyloxy group;  
(m) a 5- to 8-membered heterocyclic-oxy group which may be substituted with a C<sub>1-6</sub> alkyl group, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;

(n) a C<sub>1-6</sub> alkylsulfonyl group; and

(o) a C<sub>6-12</sub> arylsulfonyl group,

or

(2) a 5- or 6-membered aromatic heterocyclic group which may be substituted with 1 to 3 substituents selected from:

(a) a C<sub>1-6</sub> alkyl group, and

(b) a C<sub>1-6</sub> alkoxy group,

and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom, or a group resulting from condensation of the 5- or 6-membered aromatic heterocyclic group with a benzene ring;

$R^2$  is:

- (1) a hydrogen atom, or
- (2) an amino group which may be mono- or di-substituted with a  $C_{1-6}$  alkyl group;

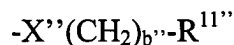
$R^3$  is a hydrogen atom;

$R^4$  is:

- ~~(1) a hydrogen atom,~~
- ~~(2) a nitro group,~~
- ~~(3) (1) an amino group,~~
- ~~(4) (2) a hydroxy group,~~
- ~~(5) a  $C_{1-6}$  alkoxy group which may be substituted with a substituent selected from:~~
  - ~~(a) a hydroxy group,~~
  - ~~(b) a cyano group,~~
  - ~~(c) a  $C_{1-6}$  alkoxy group,~~
  - ~~(d) a carboxy group,~~
  - ~~(e) a  $C_{1-6}$  alkoxy-carbonyl group,~~
  - ~~(f) a carbamoyl group,~~
  - ~~(g) a carbamoyl group which is mono- or di-substituted with a  $C_{1-6}$  alkyl group, and~~
  - ~~(h) an amino group which may be mono- or di-substituted with a  $C_{1-6}$  alkyl group,~~

or

~~(6) (3)~~ a group represented by the formula:



wherein  $X''$  is  $-O-$ ,  $-NHSO_2-$ ,  $-NHCO-$  or  $-NR^{12''}-$  (wherein  $R^{12''}$  is a hydrogen atom, or a  $C_{1-6}$  alkyl group which may be substituted with a 5- to 8-membered heterocyclic group having 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom),

$b''$  is an integer from 1 to 4, and

$R^{11''}$  is a 5- to 8-membered heterocyclic group which may be substituted with a substituent selected from

- (a) a hydroxy group, and

(b) a C<sub>1-6</sub> alkyl group,

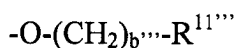
and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;

R<sup>5</sup> is:

(1) a hydrogen atom,

(2) a C<sub>1-6</sub> alkoxy group, or

(3) a group represented by the formula:



wherein b''' is an integer from 2 to 4, and

R<sup>11'''</sup> is a 5- to 8-membered heterocyclic group which may be substituted with a substituent selected from

(a) a C<sub>1-6</sub> alkyl group, and

(b) a C<sub>6-14</sub> aryl group which may be substituted with a halogen atom, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;

R<sup>6</sup> is:

(1) a hydrogen atom,

(2) a hydroxy group,

(3) a C<sub>1-6</sub> alkoxy group which may be substituted with a substituent selected from:

(a) a hydroxy group,

(b) a C<sub>1-6</sub> alkoxy group,

(c) a carboxy group,

(d) a C<sub>1-6</sub> alkoxy-carbonyl group,

(e) a carbamoyl group,

(f) a carbamoyl group which is mono- or di-substituted with a C<sub>1-6</sub> alkyl group which may be substituted with an amino group which may be mono- or di-substituted with a C<sub>1-6</sub> alkyl group,

(g) a carbamoyl group which is mono- or di-substituted with a 5- to 8-membered heterocyclic group having 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom, and

(h) a 5- to 8-membered heterocyclic-carbonyl group which may be substituted with a C<sub>1-6</sub> alkyl group, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom,

- (4) a C<sub>7-14</sub> aralkyloxy group, or
- (5) a group represented by the formula:  

$$-O-(CH_2)_b-R^{1''''}$$

wherein b'''' is an integer from 1 to 4, and

R<sup>1''''</sup> is a 5- to 8-membered heterocyclic group having 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom.

7. (Currently Amended) The compound according to Claim [[1]] 6, wherein R<sup>1</sup> is a C<sub>6-12</sub> aryl group which may be substituted with 1 to 3 substituents selected from:

- (a) a C<sub>1-6</sub> alkyl group which may be substituted with 1 to 3 substituents selected from:
    - (i) a halogen atom,
    - (ii) a hydroxy group, and
    - (iii) a 5- to 8-membered heterocyclic group which may be substituted with a substituent selected from a hydroxy group, a halogen atom and a C<sub>1-6</sub> alkyl group, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom,
  - (b) a C<sub>1-6</sub> alkoxy group which may be substituted with a substituent selected from:
    - (i) a hydroxy group,
    - (ii) a C<sub>1-6</sub> alkoxy group,
    - (iii) a carboxy group,
    - (iv) a C<sub>1-6</sub> alkoxy-carbonyl group,
    - (v) a carbamoyl group, and
    - (vi) a carbamoyl group which is mono- or di-substituted with a C<sub>1-6</sub> alkyl group,
  - (c) a halogen atom,
  - (d) a hydroxy group,
  - (e) a C<sub>1-6</sub> alkyl-carbonyloxy group,
  - (f) a C<sub>6-12</sub> aryloxy group which may be substituted with a halogen atom, and
  - (g) a 5- to 8-membered heterocyclic-oxy group which may be substituted with a C<sub>1-6</sub> alkyl group, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;
- R<sup>2</sup> is:
- (1) a hydrogen atom, or

(2) an amino group which may be mono- or di-substituted with a C<sub>1-6</sub> alkyl group;

R<sup>3</sup> is a hydrogen atom;

R<sup>4</sup> is:

~~(1) a hydrogen atom,~~

~~(2) a nitro group,~~

~~(3) (1) an amino group,~~

~~(4) (2) a hydroxy group,~~

~~(5) a C<sub>1-6</sub> alkoxy group which may be substituted with a substituent selected from:~~

~~(a) a hydroxy group,~~

~~(b) a cyano group,~~

~~(c) a C<sub>1-6</sub> alkoxy group,~~

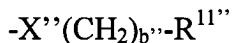
~~(d) a carboxy group,~~

~~(e) a C<sub>1-6</sub> alkoxy carbonyl group,~~

~~(f) a carbamoyl group, and~~

~~(g) a carbamoyl group which is mono- or di-substituted with a C<sub>1-6</sub> alkyl group, or~~

~~(6) (3) a group represented by the formula:~~



wherein X'' is -O-, -NR<sup>12''</sup> - (wherein R<sup>12''</sup> is a hydrogen atom, or a C<sub>1-6</sub> alkyl group which may be substituted with a 5- to 8-membered heterocyclic group having 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom);

b'' is an integer from 1 to 4; and

R<sup>11''</sup> is a 5- to 8-membered heterocyclic group which may be substituted with a substituent selected from:

(a) a hydroxy group, and

(b) a C<sub>1-6</sub> alkyl group,

and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom;

R<sup>5</sup> is:

(1) a hydrogen atom, or

(2) a C<sub>1-6</sub> alkoxy group;

R<sup>6</sup> is:

(1) a hydrogen atom, or

- (2) a C<sub>1-6</sub> alkoxy group which may be substituted with a substituent selected from:
- (a) a hydroxy group,
  - (b) a C<sub>1-6</sub> alkoxy group,
  - (c) a carboxy group,
  - (d) a C<sub>1-6</sub> alkoxy-carbonyl group,
  - (e) a carbamoyl group,
  - (f) a carbamoyl group which is mono- or di-substituted with a C<sub>1-6</sub> alkyl group which may be substituted with an amino group which may be mono- or di-substituted with a C<sub>1-6</sub> alkyl group,
  - (g) a carbamoyl group which is mono- or di-substituted with a 5- to 8-membered heterocyclic group having 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom, and
  - (h) a 5- to 8-membered heterocyclic-carbonyl group which may be substituted with a C<sub>1-6</sub> alkyl group, and has 1 to 3 heteroatoms selected from a nitrogen atom, an oxygen atom and a sulfur atom.

8-15. (Canceled)

16. (Currently Amended) The compound according to Claim [[1]]6, which is ~~3-amino-7,8-dimethoxy-2-(5-hydroxy-2-methylphenyl)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(5-hydroxy-2-methylphenyl)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(2-chloro-5-hydroxyphenyl)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(2-chloro-5-hydroxyphenyl)-7-(3-morpholin-4-ylpropoxy)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(2-chloro-5-hydroxyphenyl)-7-(2-morpholin-4-ylethoxy)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(5-hydroxy-2-methylphenyl)-7-(3-morpholin-4-ylpropoxy)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(5-hydroxy-2-methylphenyl)-7-(2-morpholin-4-ylethoxy)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(5-hydroxy-2-methyl-4-phenoxyphenyl)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-[4-(2,6-difluorophenoxy)-5-hydroxy-2-methylphenyl]-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-7-(2-hydroxyethoxy)-2-(5-hydroxy-2-methylphenyl)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-2-(5-hydroxy-2,4-dimethylphenyl)-2,5-~~

~~dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, 3-amino-7-(2-hydroxyethoxy)-2-(5-hydroxy-2-methyl-4-phenoxyphenyl)-2,5-dihydro-4H-pyrazolo[4,3-c]quinolin-4-one, or a salt thereof.~~

17. (Canceled)

18. (Currently Amended) A medicine comprising the compound according to Claim 1 ~~or a prodrug thereof.~~

19. (Withdrawn) The medicine according to Claim 18, which is a kinase inhibitor.

20. (Withdrawn) The medicine according to Claim 18, which is an Src inhibitor.

21. (Withdrawn) The medicine according to Claim 18, which is an agent for the prophylaxis and/or treatment of cancer.

22. (Withdrawn) The medicine according to Claim 18, which is an agent for the prophylaxis and/or treatment of breast cancer, renal cancer, urinary bladder cancer, oral cavity cancer, laryngeal cancer, esophageal cancer, stomach cancer, colon cancer, ovarian cancer, lung cancer, pancreatic cancer, liver cancer, prostate cancer or skin cancer.

23. (Withdrawn) The medicine according to Claim 18, which is an agent for the prophylaxis and/or treatment of osteoporosis.

24. (Withdrawn) A method of inhibiting kinase which comprises administering an effective amount of the compound according to Claim 1 or a prodrug thereof to a mammal.

25. (Withdrawn) A method of preventing and/or treating cancer which comprises administering an effective amount of the compound according to Claim 1 or a prodrug thereof to a mammal.

26. (Withdrawn) Use of the compound according to Claim 1 or a prodrug thereof, for the manufacture of a kinase inhibitor.



27. (Withdrawn) Use of the compound according to Claim 1 or a prodrug thereof, for the manufacture of an agent for the prophylaxis and/or treatment of cancer.

28. (Canceled)